

CLAIMS

What is claimed is:

1 1. A wireless networking device, comprising:
2 a chassis;
3 an antenna movably coupled with the chassis, wherein the antenna is rotatable relative to
4 the chassis; and
5 a locking mechanism to selectively lock and unlock a position of the antenna relative to
6 the chassis.

1 2. The wireless networking device of claim 1, wherein the locking
2 mechanism locks the antenna at the desired position in response to placement of a cover
3 on the chassis.

1 3. The wireless networking device of claim 1, wherein the chassis comprises
2 a wireless access point.

1 4. A wireless networking device, comprising:
2 a chassis;
3 an antenna coupled with the chassis and movable relative to the chassis;
4 a cover capable of being disposed on the chassis and separated from the chassis; and
5 a locking device coupled with the antenna, the locking device, upon placement of the
6 cover on the chassis, engaging the cover to lock the antenna at a desired position.

1 5. The wireless networking device of claim 4, wherein the antenna is
2 rotatable relative to the chassis.

1 6. The wireless networking device of claim 4, wherein the cover is fully
2 separable from the chassis.

1 7. The wireless networking device of claim 4, wherein the cover is coupled
2 with the chassis by a hinge.

1 8. The wireless networking device of claim 4, wherein the chassis comprises
2 a wireless access point.

1 9. An apparatus comprising:
2 a chassis;
3 a mounting post extending from the chassis;
4 an antenna rotationally coupled with the mounting post, the antenna adjustable to a
5 desired position relative to the chassis;
6 a shroud slidable over the antenna;
7 a locking element disposed on the shroud;
8 a cover having an opening to receive the chassis, the cover capable of being placed on the
9 chassis and separated from the chassis; and
10 a mating locking element disposed on the cover;
11 wherein, when the cover is placed on the chassis, the mating locking element on the
12 cover engages the locking element on the shroud to lock the antenna at the desired
13 position.

1 10. The apparatus of claim 9, wherein the shroud further includes a clip to
2 engage the mounting post and secure the shroud on the antenna.

1 11. The apparatus of claim 9, wherein:
2 the locking element disposed on the shroud comprises a number of locking teeth; and
3 the mating locking element disposed on the cover comprises a number of mating locking
4 teeth, and wherein the mating locking teeth on the cover engage at least a portion
5 of the locking teeth on the shroud upon placement of the cover on the chassis.

1 12. The apparatus of claim 11, wherein each of the locking teeth on the shroud
2 is positioned on a circumference of a circle having a centerline coincident with a
3 centerline of the mounting post when the shroud is placed over the antenna.

1 13. The apparatus of claim 12, wherein the number of locking teeth on the
2 shroud comprises 23 teeth extending over approximately 207 degrees of the circle.

1 14. The apparatus of claim 13, wherein 20 of the 23 teeth extend over
2 approximately 180 degrees of the circle.

1 15. The apparatus of claim 11, wherein the number of mating locking teeth on
2 the cover is in a range of between one and eight teeth.

1 16. The apparatus of claim 9, wherein the cover includes a number of
2 retaining elements to secure the cover to the chassis.

1 17. The apparatus of claim 16, wherein one of the retaining elements
2 comprises a projection extending from the cover that is sized and oriented to mate with a
3 corresponding aperture in the chassis.

1 18. The apparatus of claim 9, wherein the cover includes a number of
2 registration elements to prevent relative movement between the cover and chassis.

1 19. The apparatus of claim 18, wherein the number of registration features
2 comprises at least one of:
3 a projection extending from an interior wall of the cover that is located and oriented to
4 engage a surface of the chassis;
5 a rib extending over an interior surface of the cover, at least a portion of the rib engagable
6 with an exterior of the chassis;
7 a slot in the cover sized and oriented to mate with the mounting post extending from the
8 chassis;
9 a clip disposed on the cover, the clip to engage the mounting post extending from the
10 chassis.

1 20. The apparatus of claim 9, further comprising:
2 a second mounting post extending from the chassis;
3 a second antenna rotationally coupled with the second mounting post, the second antenna
4 adjustable to a desired position relative to the chassis; and
5 a second shroud slidable over the second antenna, the second shroud having a locking
6 element disposed thereon;
7 wherein the cover includes a second mating locking element that, when the cover is
8 placed on the chassis, engages the locking element on the second shroud to lock
9 the second antenna at the desired position.

1 21. The apparatus of claim 9, wherein the shroud comprises a molded plastic
2 material.

1 22. The apparatus of claim 9, wherein the cover comprises a molded plastic
2 material.

1 23. The apparatus of claim 9, further comprising a mounting bracket secured
2 to a surface of the chassis.

1 24. The apparatus of claim 9, wherein the chassis comprises a wireless access
2 point.

1 25. An antenna lock comprising:
2 a shroud having a slot slidably engagable with an antenna, the antenna movably coupled
3 with a wireless networking device; and
4 a locking element disposed on the shroud, the locking element engagable with a mating
5 locking element on the wireless networking device to lock the antenna at a desired
6 position.

1 26. The antenna lock of claim 25, wherein the locking element on the shroud
2 comprises a number of teeth.

1 27. The antenna lock of claim 25, wherein the mating locking element of the
2 wireless networking device is disposed on a cover thereof, and wherein the locking
3 element of the shroud engages the mating locking element when the cover is placed on
4 the wireless networking device.

1 28. The antenna lock of claim 25, further comprising a clip disposed on the
2 shroud, the clip engagable with an antenna mounting post extending from the wireless
3 networking device to secure the shroud on the antenna.

1 29. The antenna lock of claim 25, wherein the locking element and the shroud
2 comprise a single integrated part.

1 30. The antenna lock of claim 29, wherein the single integrated part comprises
2 a molded plastic part.

1 31. A cover for a chassis of a wireless networking device, comprising:
2 a housing having an opening sized to receive the chassis, the chassis having an antenna
3 movably coupled therewith; and
4 a locking element disposed on the housing, the locking element engagable with a mating
5 locking element associated with the antenna;
6 wherein, when the cover is placed on the chassis, the locking element of the housing
7 engages the locking element associated with the antenna to lock the antenna at a
8 desired position.

1 32. The cover of claim 31, wherein the locking element on the housing
2 comprises a number of teeth.

1 33. The cover of claim 31, wherein the mating locking element associated
2 with the antenna is disposed on a locking device coupled with the antenna.

1 34. The cover of claim 31, further comprising a number of retaining elements
2 to secure the cover to the chassis.

1 35. The cover of claim 34, wherein one of the retaining elements comprises a
2 projection extending from the housing that is sized and oriented to mate with a
3 corresponding aperture in the chassis.

1 36. The cover of claim 31, wherein the cover includes a number of registration
2 elements to prevent relative movement between the cover and chassis.

1 37. The cover of claim 6, wherein the number of registration features
2 comprises at least one of:
3 a projection extending from an interior wall of the housing that is located and oriented to
4 engage a surface of the chassis;
5 a rib extending over an interior surface of the housing, at least a portion of the rib
6 engagable with an exterior of the chassis;
7 a slot in the housing sized and oriented to mate with a mounting post extending from the
8 chassis; and
9 a clip disposed on the housing, the clip to engage a mounting post extending from the
10 chassis.

1 38. The cover of claim 31, wherein the housing comprises a molded plastic.

1 39. A method comprising:
2 adjusting an antenna to a desired position, the antenna movably coupled with a chassis;
3 placing a locking device on the antenna; and
4 positioning a cover on the chassis, the cover engaging the locking device to lock the
5 antenna at the desired position.

1 40. The method of claim 39, wherein the locking device includes a number of
2 locking teeth and the cover includes a number of mating locking teeth, and wherein
3 positioning the cover on the chassis causes the mating locking teeth on the cover to
4 engage a portion of the number of locking teeth of the locking device.

1 41. The method of claim 39, wherein placing a locking device on the antenna
2 comprises sliding a shroud over the antenna.

1 42. The method of claim 41, wherein the antenna is coupled with a mounting
2 post extending from the chassis, the method further comprising securing the shroud to the
3 mounting post.

1 43. The method of claim 39, further comprising securing the cover to the
2 chassis using a number of retaining elements.

1 44. The method of claim 39, further comprising securing a position of the
2 cover relative to the chassis using a number of registration elements.

1 45. An antenna lock comprising:
2 a housing positionable over an antenna, the antenna movably coupled with a wireless
3 networking device; and
4 a number of locking elements disposed on the housing;
5 wherein at least one of the housing locking elements is engagable with at least one of a
6 number of mating locking elements on the wireless networking device to lock the
7 antenna at a desired position.

1 46. The apparatus of claim 45, wherein the number of locking elements on the
2 housing comprises one or more holes and each of the locking elements on the wireless
3 networking device comprises a mating hole.

1 47. The apparatus of claim 46, further comprising a fastener to secure one of
2 the holes on the housing in a fixed position relative to one of the holes on the wireless
3 networking device to lock the antenna at the desired position.

1 48. The apparatus of claim 45, wherein the number of locking elements on the
2 housing comprises a number of teeth.

1 49. The apparatus of claim 48, wherein the locking elements of the wireless
2 networking device comprise a number of mating teeth disposed on a locking plate, the
3 locking plate attachable to the wireless networking device to lock the antenna at the
4 desired position.

1 50. The apparatus of claim 45, wherein the antenna is coupled with a
2 mounting post extending from the wireless networking device, the antenna lock further
3 comprising a clip disposed on the housing to secure the housing to the mounting post.

1 51. The apparatus of claim 45, wherein the housing and the number of locking
2 elements comprise a single integrated part.

1 52. The apparatus of claim 45, wherein the single integrated part comprises a
2 molded plastic part.